

FORM PTO-1449 (Modified)
LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)
Sheet 1 of 7

In the Application of

MICHAEL C. KIEFER and PHILIP J. BARR

Serial No. 08/320,157

Filed: 07 October 1994

Art Unit: Unknown

Examiner: Unassigned

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/Subclass	(If appropriate) Filing Date
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FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/Subclass	(If appropriate) Filing Date
1.	RJE	WO 93/04169	03/04/93	PCT		
2.		WO 94/00572	01/06/94	PCT		
3.		WO 95/00160	01/05/95	PCT		
4.	✓	WO 95/00642	01/05/95	PCT		

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
5.	RJE	Wyllie, "Glucocorticoid-induced thymocyte apoptosis is associated with endogenous endonuclease activation" <u>Nature</u> (1980) <u>284</u> :555-556.

Examiner:

R. J. Ebert

Date Considered: 11/26/96

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.



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6.	<u>RKE</u>	Kanter et al., "Epidermal growth factor and tumor promoters prevent DNA fragmentation by different mechanisms" <u>Biochem. Biophys. Res. Commun.</u> (1984) <u>118:392-399.</u>
7.		Duke et al., "IL-2 addiction: Withdrawal of growth factor activates a suicide program in dependent T cells" <u>Lymphokine Res.</u> (1986) <u>5:289-299.</u>
8.		Tomei et al., "Inhibition of radiation-induced apoptosis <i>in vitro</i> by tumor promoters" <u>Biochem. Biophys. Res. Commun.</u> (1988) <u>155:324-331.</u>
9.		Kruman et al., "Apoptosis of murine BW 5147 thymoma cells induced by dexamethasone and γ -irradiation" <u>J. Cell. Physiol.</u> (1991) <u>148:267-273.</u>
10.		Ameisen et al., "Cell dysfunction and depletion in AIDS: The programmed cell death hypothesis" <u>Immunol. Today</u> (1991) <u>12:102-105.</u>
11.		Sheppard et al., "The relationship between AIDS and immunologic intolerance" <u>J. AIDS</u> (1992) <u>5:143-147.</u>
12.		Gerschenson et al., "Apoptosis: A different type of cell death" <u>FASEB J.</u> (1992) <u>6:2450-2455.</u>
13.		Cohen et al., "Apoptosis and programmed cell death in immunity" <u>Ann. Rev. Immunol.</u> (1992) <u>10:267-293.</u>
14.	<u>✓</u>	Tsujimoto et al., "Cloning of the chromosome breakpoint of neoplastic B cells with the t(14;18) chromosome translocation" <u>Science</u> (1984) <u>226:1097-1099.</u>

Examiner: Roy Z Shatt

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Ref. Desig.	Examiner's Initials	
15.	<u>RTE</u>	Cleary et al., "Cloning and structural analysis of cDNAs for <i>bcl-2</i> and a hybrid <i>bcl-2</i> /immunoglobulin transcript resulting from the t(14;18) translocation" <u>Cell</u> (1986) <u>47</u> :19-28.
16.		McDonnell et al., "Progression from lymphoid hyperplasia to high-grade malignant lymphoma in mice transgenic for the t(14;18)" <u>Nature</u> (1991) <u>349</u> :254-256.
17.		Edgington, "Looking death in the eye: Apoptosis and cancer research" <u>Biotechnol.</u> (1993) <u>11</u> :787-792.
18.		Sentman et al., " <i>bcl-2</i> inhibits multiple forms of apoptosis but not negative selection in thymocytes" <u>Cell</u> (1991) <u>67</u> :879-888.
19.		Strasser, " <i>bcl-2</i> transgene inhibits T cell death and perturbs thymic self-censorship" <u>Cell</u> (1991) <u>67</u> :889-899.
20.		Hockenbery et al., "Bcl-2 functions in an antioxidant pathway to prevent apoptosis" <u>Cell</u> (1993) <u>75</u> :241-251.
21.		Williams et al., "Molecular regulation of apoptosis: genetic controls on cell death" <u>Cell</u> (1993) <u>74</u> :777-779.
22.		Zhu et al., "Systemic gene expression after intravenous DNA delivery into adult mice" <u>Science</u> (1993) <u>261</u> :209-211.
23.		Veis et al., "Bcl-2-deficient mice demonstrate fulminant lymphoid apoptosis, polycystic kidneys, and hypopigmented hair" <u>Cell</u> (1993) <u>75</u> :229-240.

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Ref. Desig.	Examiner's Initials	
24.	<u>RVE</u>	Kiefer et al., "Molecular cloning of a new human insulin-like growth factor binding protein" <u>Biochem. Biophys. Res. Commun.</u> (1991) <u>176</u> :219-225.
25.		Sanger et al., "DNA sequencing with chain-terminating inhibitors" <u>Proc. Natl. Acad. Sci. USA</u> (1977) <u>74</u> :5463-5467.
26.		Boise et al., " <i>bcl-x</i> , a <i>bcl-2</i> -related gene that functions as a dominant regulator of apoptotic cell death" <u>Cell</u> (1993) <u>74</u> :597-608.
27.		Oltvai et al., "Bcl-2 heterodimerizes <i>in vivo</i> with a conserved homolog, Bax, that accelerates programmed cell death" <u>Cell</u> (1993) <u>74</u> :609-619.
28.		Zapf et al., "Isolation from adult human serum of four insulin-like growth factor (IGF) binding proteins and molecular cloning of one of them that is increased by IGF I administration and in extrapancreatic tumor hypoglycemia" <u>J. Biol. Chem.</u> (1990) <u>265</u> :14892-14898.
29.		Feinberg et al., "A technique for radiolabeling DNA restriction endonuclease fragments to high specific activity" <u>Anal. Biochem.</u> (1984) <u>137</u> :266-267.
30.		Chen-Levy et al., "The <i>bcl-2</i> candidate proto-oncogene product is a 24-kilodalton integral-membrane protein highly expressed in lymphoid cell lines and lymphomas carrying the t(14;18) translocation" <u>Mol. Cell. Biol.</u> (1989) <u>9</u> :701-710.
31.		Jacobson et al., "Bcl-2 blocks apoptosis in cells lacking mitochondrial DNA" <u>Nature</u> (1993) <u>361</u> :365-369.

Examiner:

Ray R. Hart

Date Considered:

11/26/96

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Serial No. 08/320,157

Filed: 07 October 1994

Art Unit: Unknown

Examiner: Unassigned

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
32.	<u>RKE</u>	Monaghan et al., "Ultrastructural localization of BCL-2 protein" <u>J. Histochem. Cytochem.</u> (1992) <u>40</u> :1819-1825.
33.		Lehrach et al., "RNA molecular weight determinations by gel electrophoresis under denaturing conditions, a critical reexamination" <u>Biochem.</u> (1977) <u>16</u> :4743-4751.
34.		Thomas, "Hybridization of denatured RNA and small DNA fragments transferred to nitrocellulose" <u>Proc. Natl. Acad. Sci. USA</u> (1980) <u>77</u> :5201-5205.
35.		Barr, "Expression of foreign genes in yeast" <u>Transgenesis</u> (1992) Murray, J.A.H., ed., Wiley & Sons, New York, pp. 55-79.
36.		Henderson et al., "Epstein-Barr virus-coded BHRF1 protein, a viral homologue of Bcl-2, protects human B cells from programmed cell death" <u>Proc. Natl. Acad. Sci. USA</u> (1993) <u>90</u> :8479-8483.
37.		Viegas-Péquignot, " <i>In situ</i> hybridization to chromosomes with biotinylated probes" <u>In Situ Hybridization. A Practical Approach</u> , D.G. Wilkinson, ed., IRL Press, Oxford, pp. 137-158.
38.		Pinkel et al., "Fluorescence <i>in situ</i> hybridization with human chromosome-specific libraries: Detection of trisomy 21 and translocations of chromosome 4" <u>Proc. Natl. Acad. Sci. USA</u> (1988) <u>85</u> :9138-9142.
39.		McKearn et al., "Enrichment of hematopoietic precursor cells and cloning of multipotential B-lymphocyte precursors" <u>Proc. Natl. Acad. Sci. USA</u> (1985) <u>82</u> :7414-7418.

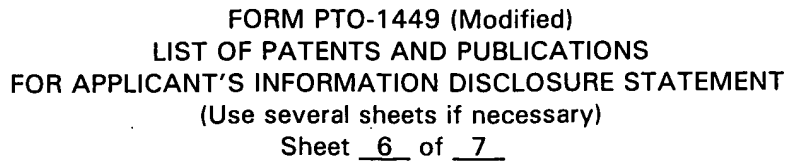
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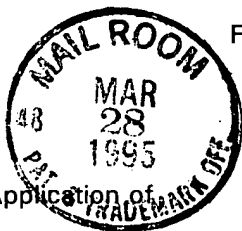
Examiner: Unassigned

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40.	RTE	Nuñez et al., "Deregulated Bcl-2 gene expression selectively prolongs survival of growth factor-deprived hemopoietic cell lines" <u>J. Immunol.</u> (1990) <u>144</u> :3602-3610.
41.		Hockenbery et al., "Bcl-2 is an inner mitochondrial protein that blocks programmed cell death" <u>Nature</u> (1990) <u>348</u> :334-336.
42.		Cherif et al., "Ordering markers in the region of the ataxia-telangiectasia gene (11q22-q23) by fluorescence <i>in situ</i> hybridization (FISH) to interphase nuclei" <u>Hum. Genet.</u> (1994) <u>93</u> :1-6.
43.		Foroud et al., "Localization of an ataxia-telangiectasia locus to a 3-cM interval on chromosome 11q23: Linkage analysis of III families by an international consortium" <u>Am. J. Hum. Genet.</u> (1991) <u>49</u> :1263-1279.
44.		Kapp et al., "Cloning of a candidate gene for ataxia-telangiectasia group D" <u>Am. J. Hum. Genet.</u> (1992) <u>51</u> :45-54.
45.		Khati et al., "Genetic heterogeneity of autosomal dominant cerebellar ataxia type 1: Clinical and genetic analysis of 10 French families" <u>Neurology</u> (1993) <u>43</u> :1131-1137.
46.		Meyn, "Ataxia-telangiectasia, apoptosis and cellular responses to DNA damage: A model" <u>Cancer Genet.</u> (1993) <u>53</u> :(Abstract no. 1529).
47.		Orr et al., "Expansion of an unstable trinucleotide CAG repeat in spinocerebellar ataxia type 1" <u>Nature Genetics</u> (1993) <u>4</u> :221-226.

Date Considered: 11/16/96

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Filed: 07 October 1994] Examiner: Unassigned

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

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48.	RKE	Kennedy, "Prevention of carcinogenesis by protease inhibitors" <u>Cancer Res.</u> (1994) <u>54</u> :1999s-2005s.
49.		Lam et al., "Evidence that BCL-2 represses apoptosis by regulating endoplasmic reticulum-associated Ca^{2+} fluxes" <u>Proc. Natl. Acad. Sci. USA</u> (1994) <u>91</u> :6569-6573.
50.		Reed et al., "Antisense-mediated inhibition of <i>BCL2</i> protooncogene expression and leukemic cell growth and survival: Comparisons of phosphodiester and phosphorothioate oligodeoxynucleotides" <u>Cancer Res.</u> (1990) <u>50</u> :6565-6570.
51.		Yonehara et al., "A cell-killing monoclonal antibody (ANTI-Fas) to a cell surface antigen co-downregulated with the receptor of tumor necrosis factor" <u>J. Exp. Med.</u> (1989) <u>169</u> :1747-1756.

Examiner: *Rsy 7Ehert*

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Washington, D.C. 20231

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Sheet 1 of 2

In the application of:

Michael C. Kiefer et al.

Serial No.: 08/320,157

Filing Date: 07 October 1994

For: NOVEL APOPTOSIS-
MODULATING PROTEINS, DNA ENCODING
THE PROTEINS AND METHODS OF USE
THEREOF

Examiner: Unassigned

Group Art Unit: 1806

FOREIGN PATENT DOCUMENTS

Ref. Design	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	(If appropriate) Filing Date
AA 1.	<u>RZE</u>	WO 95/05750	03/02/95	PCT		

Examiner: Ray Zebert

Date Considered: 11/26/96

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Michael C. Kiefer et al.

Serial No.: 08/320,157

Filing Date: 07 October 1994

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MODULATING PROTEINS, DNA ENCODING
THE PROTEINS AND METHODS OF USE
THEREOF

Examiner: Unassigned

Group Art Unit: 1806

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2.	<u>RJE</u>	Chittenden et al., "Induction of apoptosis by the Bcl-2 homologue Bak" <i>Nature</i> (1995) 347:733-736.
3.	<u>RJE</u>	Farrow et al., "Cloning of a bcl-2 homologue by interaction with adenovirus E1B 19K" <i>Nature</i> (1995) 374:731-733
4.	<u>RJE</u>	Kiefer et al., "Modulation of apoptosis by the widely distributed Bcl-2 homologue Bak" <i>Nature</i> (1995) 374:736-739.

Examiner: Ray Zebert

Date Considered: 11/26/96